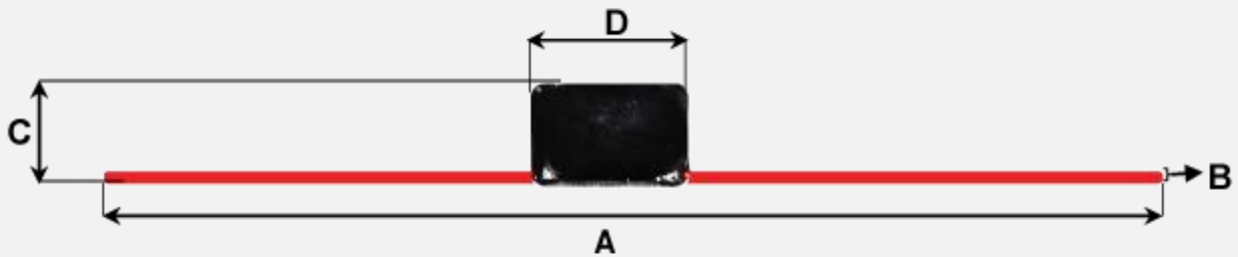


# UHF Apparel Tags Mi-Linotag 301



## MECHANICAL DIMENSIONS

A	E-String Length	$145.0 \pm 1.0$	mm
B	E-String Thickness	$0.5 \pm 0.1$	mm
C	Encapsulated Tag Height	$10.0 \pm 0.1$	mm
D	Encapsulated Tag Width	$6.0 \pm 0.1$	mm
#	Encapsulated Tag Thickness	$2.5 \pm 0.1$	mm

A Product of:



MDT INNOVATIONS  
www.mmdt.cc

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# UHF Apparel Tags

## Mi-Linotag 301



### FEATURES

<b>Applications</b>	<ul style="list-style-type: none"><li>• Apparel Tags</li><li>• Asset Management</li></ul>
<b>Operating Distance</b>	Typically ~ 9m on air (9dbi antenna) Typically ~ 9m on air using Mi870E Handheld Reader
<b>Frequency</b>	860-960 MHz
<b>Transmission</b>	Passive
<b>RF Air Protocol</b>	EPC Class 1 Gen 2 Compliant
<b>Functions</b>	<ul style="list-style-type: none"><li>• Anti-Collision: Slotted Aloha</li><li>• Multiple Read Capability: 50 tags/seconds (ID Read)</li><li>• Multiple Read Capability: 500 tags/seconds (EPC Read)</li></ul>
<b>Chip</b>	<ul style="list-style-type: none"><li>• Impinj Monza 4</li></ul>
<b>Memory</b>	<ul style="list-style-type: none"><li>• 128 bits EPC memory</li></ul>

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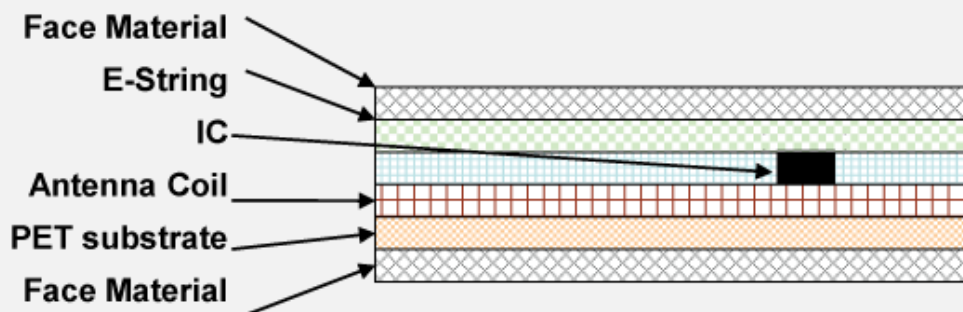
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# UHF Apparel Tags Mi-Linotag 301



## DELIVERY FORM

<b>Physical Characteristics</b>	Flexible Substrate with E-String
<b>AFI</b>	Yes
<b>Write Protection</b>	Block Wise
<b>Static Pressure</b>	10 N/mm <sup>2</sup>
<b>Antenna</b>	MiRFID™ LT002 Antenna
<b>Antenna Material</b>	Copper
<b>Operating Temperature</b>	-20°C to 85°C
<b>Write Endurance Cycle</b>	100,000 cycles
<b>Data Retention</b>	Typical 10 years
<b>Tag Format</b>	Singulated Tag
<b>Tag Face Material</b>	Epoxy Mi-ED11
<b>Tag Backing Material</b>	Epoxy Mi-ED11
<b>Final Inspection</b>	100% inspection. Yield >98%.
<b>Printable Area</b>	Yes (optional)
<b>Appearance</b>	Singulated Tag with E-String
<b>Packaging</b>	Packed in cardbox



<b>Data Sheet Version</b>	Mi-Linotag-301-02
<b>Date</b>	02 October 2015

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